

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Masahiro ISHIKAWA et al. : **Mail Stop: PCT**  
Serial No. 10/521,765 : Attorney Docket No. 2005-0023A  
Filed January 19, 2005 :

PROCESSED SOYBEAN  
 $\beta$ -CONGLYCININ PROTEIN  
[Corresponding to PCT/JP2003/009282  
Filed July 22, 2003]

THE COMMISSIONER IS AUTHORIZED  
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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the  
above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified


a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (International Search Report) (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report (International Search Report) citing one or more of the references is enclosed.

Respectfully submitted,

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April 19, 2005

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2005-0023ASERIAL NO.  
10/521,765U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)APPLICANT  
Masahiro ISHIKAWA et al.

Date Submitted to PTO: April 19, 2005

FILING DATE  
January 19, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,171,640	1/2001	Bringe			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AH	11-308969	11/1999	Japan				
	AI	2002-238442	8/2002	Japan				
	AJ							
	AK							
	AL							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	J.M.S. Renkema et al., "The effect of pH on heat denaturation and gel forming properties of soy proteins", Journal of Biotechnology, vol. 79, no. 3, pages 223-230, 2000.
	AN	S. Petrucci et al., "Soy Protein Isolate Components and Their Interactions", J. Agric. Food. Chem., Vol. 43, no. 7, pages 1762-1767, 1995.
	AO	T. Nagano et al., "Dynamic Viscoelastic Study on the Gelatin Properties of $\beta$ -Conglycinin-Rich and Glycinin-Rich Soybean Protein Isolates", J. Agric. Food Chem., vol. 44, no. 11, pages 3484-3488, 1996.
	AP	M.C. Puppo, et al., "Structural Properties of Heat-Induced Soy Protein Gels as Affected by Ionic Strength and pH", J. Agric. Food Chem., vol. 46, no. 9, pages 3583-3589, 1998.

EXAMINER

DATE CONSIDERED